

AUTOMATIC RANGE UP-SHIFT CONTROL

ABSTRACT OF THE DISCLOSURE

A control for enhanced range shifting in a computer (48) assisted vehicular compound transmission having a main section (16A) shifted by a manually operated shift lever (31) and a range section (16B) shifted in response to operation of a range shift selector, such as sensing shift lever (31) passing through a predetermined actuation point (AR) in the shift pattern. During a compound up-shift, if the vehicle reaches a speed greater than a predetermined value during a coasting condition and the shift lever is in a low range neutral position, then the range section up-shift is automatically completed without undue wear or damage to the range section synchronized clutch (130). It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).

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